١.





(11) EP 1 959 418 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 01.10.2008 Bulletin 2008/40

(51) Int Cl.: G09G 3/28 (2008.01)

(43) Date of publication A2: 20.08.2008 Bulletin 2008/34

(21) Application number: 08155524.5

(22) Date of filing: 24.08.2001

(84) Designated Contracting States: DE FR GB

(30) Priority: 25.09.2000 JP 2000290981

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 01307211.1 / 1 191 511

(71) Applicant: Hitachi Plasma Display Limited Kunitomi-cho Higashimorokata-gun Miyazaki 880-1194 (JP)

(72) Inventors:

Kojima, Ayahito,
 c/o FUJITSU HITACHI PLASMA
 Kawasaki-shi, Kanagawa 213-0012 (JP)

 Kameyama, Shigeki, c/o c/o FUJITSU HITACHI Kawasaki-shi, Kanagawa 213-0012 (JP)

Kuriyama, Hirohito,
 c/o c/o FUJITSU HITACHI
 Kawasaki-shi, Kanagawa 213-0012 (JP)

 Kanazawa, Yoshikazu, c/o c/o FUJITSU HITACHI Kawasaki-shi, Kanagawa 213-0012 (JP)

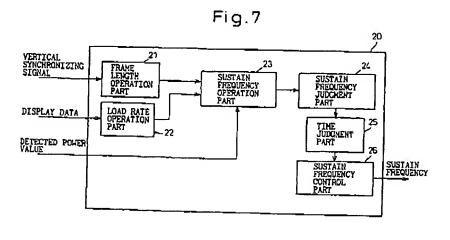
 Ueda, Toshio, c/o FUJITSU HITACHI Kawasaki-shi, Kanagawa 213-0012 (JP)

(74) Representative: Stebbing, Timothy Charles
Haseltine Lake
5th Floor Lincoln House
300 High Holborn
London, WC1V 7JH (GB)

(54) Display apparatus

(57) A plasma display panel (PDP) provided with means for avoiding thermal destruction and burn-in. If some or all of the screen is displaying a very bright image, either continuously or periodically, and the total light

emission pulse number is judged to be sufficiently large that it may cause thermal destruction and burn in of the screen, the total light emission pulse number (sustain frequency) is reduced to prevent this.



Printed by Jouve, 75001 PARIS (FR)

EP 1 959 418 A3

EP 1 959 418 A3



EUROPEAN SEARCH REPORT

EP 08 15 5524

		RED TO BE RELEVANT	T -	
Calegory	Citation of document with in- of relevant passas		Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 0 965 974 A (P10) CORPORATION) 22 Decc * paragraphs [0078] *	NEER ELECTRONIC ember 1999 (1999-12-22) - [0123]; figures 2-6	1-15	INV. G09G3/28
A	EP 0 945 845 A (FUJ) 29 September 1999 (1 * paragraphs [0019]	 ITSU LIMITED) 1999-09-29) - [0032]; figures 5-9	1-15	
A	EP 0 845 769 A (FUJ) 3 June 1998 (1998-06 * page 8, line 3 - p figures 8-14 *	5-03)	1-15	
A	EP 0 841 652 A (FUJ) 13 May 1998 (1998-05 * column 6, line 53 figures 4-16 *		1-15	
		i		TECHNICAL FIELDS SEARCHED (IPC)
- 1	•			SEARCHED (IPC)
	The present search report has bo	en drawn up for all claims Olds of completion of the search		Ex.4/blase*
	The Hague	27 August 2008	Vāzo	quez del Real, S
X: parfe Y: partio docum A: techn O: non-v	TEGORY OF OTTED DOCUMENTS triany retovant I taken signe ularly relevant I aempined with another rent of the same calegory obglash background vitten disclosure Motilse document	T : theory or principle : E : earlar patent door	underlying the imment, but publish the application other reasons	rention and on, or

EP 1 959 418 A3

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 08 15 5524

This games tists the patent lamily members relating to the patent documents oited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

27-08-2008

Patent document cited in search report		Publication date	1	Palent family member(s)		Publication date
EP 0965974	Α	22-12-1999	CN JP US	1243301 2800010522 2802167469	Α	02-02-20 14-01-20 14-11-20
EP 0945845	A	29-09-1999	JP JP TW US	3544855 11282396 511042 6326938	A B	21-07-20 15-10-19 21-11-20 04-12-20
EP 0845769	A	03-06-1998	JP JP US	3672697 10214059 6072448	Α	20-07-20 11-08-19 06-06-20
EP 0841652	A	13-05-1998	JP JP US	2900997 10187064 6278421	Α	02-06-19 14-07-19 21-08-20
			US	6278421	81	21-08-7